



Pump Wire Sizing Chart and Allowable Distances 0.5HP-5Hp, Single and Three Phase, Two and Three Wire

Motor Size	Wire Count	Phase	Voltage	14 Gauge	12 Gauge	10 Gauge	8 Gauge	6 Gauge	4 Gauge	3 Gauge	2 Gauge
.5 HP	3 Wire	1	115V	101 ft.	160 ft.	255 ft.	404 ft.	629 ft.	1002 ft.	1200 ft.	1591 ft.
.5 HP	3 Wire	1	230V	359 ft.	571 ft.	912 ft.	1444 ft.	2246 ft.	3581 ft.	4359 ft.	4685 ft.
.5 HP	2 Wire	1	115V	112 ft.	178 ft.	284 ft.	449 ft.	699 ft.	1114 ft.	N/A	1769 ft.
.5 HP	2 Wire	1	230V	466 ft.	742 ft.	1183 ft.	1874 ft.	2915 ft.	4648 ft.	N/A	7379 ft.
.5 HP	3 Wire	3	230V	756 ft.	1202 ft.	1917 ft.	3037 ft.	4725 ft.	7532 ft.	N/A	N/A
.75 HP	3 Wire	1	230V	281 ft.	447 ft.	713 ft.	1129 ft.	1757 ft.	2800 ft.	3309 ft.	4446 ft.
.75 HP	3 Wire	3	230V	562 ft.	894 ft.	1426 ft.	2258 ft.	3513 ft.	5601 ft.	7884 ft.	8892 ft.
.75 HP	2 Wire	1	230V	353 ft.	562 ft.	897 ft.	1420 ft.	2210 ft.	3523 ft.	N/A	5594 ft.
1 HP	3 Wire	1	230V	233 ft.	371 ft.	592 ft.	937 ft.	1458 ft.	2324 ft.	2831 ft.	3689 ft.
1 HP	3 Wire	3	230V	466 ft.	742 ft.	1183 ft.	1874 ft.	2915 ft.	4648 ft.	6375 ft.	7379 ft.
1 HP	2 Wire	1	230V	271 ft.	430 ft.	686 ft.	1087 ft.	1692 ft.	2697 ft.	N/A	4281 ft.
1.5 HP	3 Wire	1	230V	201 ft.	320 ft.	510 ft.	808 ft.	1257 ft.	2004 ft.	2474 ft.	3182 ft.
1.5 HP	3 Wire	3	230V	359 ft.	571 ft.	912 ft.	1444 ft.	2246 ft.	3581 ft.	5078 ft.	5685 ft.
1.5 HP	2 Wire	1	230V	211 ft.	335 ft.	535 ft.	847 ft.	1318 ft.	2100 ft.	N/A	3335 ft.
2 HP	3 Wire	1	230V	180 ft.	286 ft.	456 ft.	722 ft.	1123 ft.	1790 ft.	2251 ft.	2843 ft.
2 HP	3 Wire	3	230V	288 ft.	459 ft.	732 ft.	1159 ft.	1803 ft.	2874 ft.	3699 ft.	4563 ft.
3 HP	3 Wire	1	230V	133 ft.	211 ft.	337 ft.	534 ft.	830 ft.	1324 ft.	1664 ft.	2102 ft.
3 HP	3 Wire	3	230V	217 ft.	345 ft.	551 ft.	872 ft.	1357 ft.	2163 ft.	2749 ft.	3434 ft.
5 HP	3 Wire	1	230V	N/A	N/A	206 ft.	326 ft.	507 ft.	809 ft.	1017 ft.	1284 ft.
5 HP	3 Wire	3	230V	N/A	N/A	318 ft.	503 ft.	783 ft.	1248 ft.	1683 ft.	1982 ft.